

A Full Line of Anaerobics for Production and Maintenance Applications

- Formulated for
- Threadlocking
 - Retaining
 - Sealing
 - Bonding

ANAEROBICS



Improved Formulation –

- ❖ Faster Curing
- ❖ Surface Insensitive


ELMER'S
ARONTITE®

ANAEROBICS

Anaerobic adhesives are single-component materials which cure (or solidify) at room temperature when deprived of oxygen and come in simultaneous metal contact. This technology is a manufacturing staple from OEM assembly to MRO applications. It has saved companies millions of dollars by allowing for easier design and manufacturing techniques and by eliminating or reducing downtime.

Features and benefits of anaerobics include very high shear strength, good temperature resistance (-65° F to +300° F), rapid curing, easy to dispense with automatic dispensers because they are single-component, micro finishing of parts not necessary, simultaneous sealing effect with excellent chemical resistance, good resistance to vibration and dynamic loads.

THREADLOCKING

ARONTÔTE® TL22 is ideal for small diameter fasteners ($\leq 1/4"$) where low strength is required. Prevents fasteners from vibrating loose and corrosion/rust from occurring. Parts can be separated using hand tools.

ARONTÔTE® TL42 is a general purpose, removable threadlocker for fasteners between $1/4"$ and $3/4"$ diameters. Prevents vibration loosening. Parts can be separated using hand tools.

ARONTÔTE® TL70 is a high strength threadlocker for studs/bolts up to $1"$ diameter. Prevents vibration loosening and permanently locks the assembly. Parts can be separated by localized heating ($> 300^\circ$ F) and hand tools.

ARONTÔTE® TL90 is a medium strength threadlocker for pre-assembled fasteners up to $1/2"$ diameter. Penetrates threads by wicking action. Ideal for securing set screws and other assemblies after adjustments are completed. Parts can be separated by localized heating ($> 300^\circ$ F) and hand tools.



RETAINING



ARONTÔTE® RC38 fills the void between cylindrical components such as bearings, bushings and gears. Eliminates expensive press fit tolerances. Provides maximum strength and seals against leakage, corrosion and rust.

SEALING

Pipe Sealant with Teflon™

ARONTÔTE® Pipe Sealant with Teflon™ is formulated specifically for all metal, tapered, pipe thread fittings and cures rapidly to provide immediate low pressure sealing. Its lubricity prevents thread damage and it protects from corrosion and rust. For fittings up to $2"$ in diameter.



Flange Sealant



ARONTÔTE® Flange Sealant eliminates need for conventional gasket material on all metal flanges. Forms a flexible, solvent-resistant seal that will not tear or degrade.

PROPERTIES CHART

ARONTITE®	Threadlocking				Retaining	Sealing	
	TL 22	TL 42	TL 70	TL 90	RC 38	Pipe Sealant	Flange Sealant
UNCURED							
Color	Purple	Blue	Red	Green	Green	White	Red
Viscosity (cps)	1200	1800	520	20	1500	1,500,000	2,500,000
Specific Gravity (gm/cc)	1.08	1.09	1.1	1.07	1.1	1.15	1.17
Flash Point (°F)	300°	300°	300°	200°	250°	860°	250°
Tempature Range (°F)	← -65°F to +350°F →						-65°F to +300°F
Storage Stability	← 12 Months < 75°F →						
Gap filling (in.)	.002-.005	.002-.006	.002-.008	.001-.004	.002-.010	N/A	.001-.050
Chemical Resistance	← Excellent →						
CURED							
Shear Strength (psi)	600	1200	3500	1500	4000	N/A	2500
Breakaway Torque (in.lbs.)	50	150	300	100	N/A	40	50
Prevailing Torque (in. lbs.)	25	50	285	200	N/A	N/A	N/A
Cure Speed (unprimed)							
Fixture (min.)	30	5	60	10	20	N/A	N/A
Full (hrs.)	4	4	8	2	6	8	24
Cure Speed (primed)							
Fixture (min.)	5	5	5	5	10	N/A	N/A
Full (hrs.)	1	1	2	1	6	4	1
Material is Steel							

ARONTITE® Military and ASTM Specifications

ARONTITE ITEM	MIL SPECIFICATION	ASTM SPECIFICATION
TL22	Mil-S-46163 Type II Grade M	ASTM 5363 ANØ311
TL42	Mil-S-46163 Type II Grade N	ASTM 5363 ANØ321
TL70	Mil-S-46163 Type I Grade K	ASTM 5363 ANØ221
TL90	Mil-S-46163 Type III Grade R	ASTM 5363 ANØ261
RC38	Mil-R-46082B Type III	ASTM 5363 ANØ421
Pipe Sealant	N/A	N/A
Flange Sealant	N/A	N/A
Primer	Mil-S-22473 Form R Grade T	N/A



Elmer's ARONTITE® Primer

Arontite Anaerobic Primer decreases the set-up time of Arontite anaerobic compounds. Especially helpful on passive or inert materials such as plated and high-alloy metals and with large gaps. Can be used when cure temperatures are below room temperature. Use primer to clean parts prior to using anaerobics.



Ordering Information:

PRODUCT	PART No.	SIZE	# PER CASE
TL-22	TL-22231	50ml	10
TL-22	TL-22241	250ml	2
TL-42	TL-24231	50ml	10
TL-42	TL-24241	250ml	2
TL-70	TL-27031	50ml	10
TL-70	TL-27041	250ml	2
TL-90	TL-29031	50ml	10
TL-90	TL-29041	250ml	2
RC-38	RC-63831	50ml	10
RC-38	RC-63841	250ml	2
Pipe Sealant	PS-56531	50ml	10
With Teflon*	PS-56541	250ml	4
Flange Sealant	PS-51831	50ml	10
Primer	PC-21348	4.25oz	12

Disclaimer: "Seller makes no warranty, express or implied, concerning the product or merchantability or fitness thereof for any purpose except that the product shall conform to the contracted specifications, and that the product does not infringe any valid United States patents.

"The Buyer assumes the sole responsibility of determining the suitability of the product for the uses and application contemplated by Buyer or others. Furthermore, the Buyer assumes all risk and liabilities for results obtained by the use of the product, whether used singly or in combination with other material, except those relating solely to the use product not conforming to the contracted specifications, which non-conformity is not known to Buyer and is not discoverable by the Buyer, by testing or otherwise, prior to the use thereof by Buyer or others. Any suggestions or recommendations made by Seller concerning uses or applications of the product are believed to be reliable, but Seller makes no warranty or guarantee of results obtained since the conditions of the use and application by Buyer and others are beyond the Seller's control."

Your Authorized ARONTITE Distributor:

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